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DATE: Friday, August 15, 2003

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	DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L15	heat adj compensation and heat adj loss	21	L15
L14	L13 same measurement	3	L14
L13	heat adj potential	319	L13
L12	het adj potential	0	L12
L11	thermophilic adj treatment	18	L11
L10	autothermal adj thermophilic adj aerobic adj treatment	1	L10
L9	thermophillic adj treatment and wastewater	0	L9
L8	L7 and oxygen adj uptake	21	L8
L7	L6 and aerobic adj treatment	427	L7
L6	wastewater	13900	L6
L5	heat adj potential and wastewater	3	L5
L4	atat and wastewater	1	L4
L3	autothermal adj thermophillic adj aerobic adj treatment	0	L3
L2	autothermal adj themophillic adj aerobic adj treatment	0	L2
L1	biologic$ adj heat adj potential	2	L1

END OF SEARCH HISTORY

incubator

BIOSIS
CAPLUS
~~AGRICOLA~~
CONFSCI
INSPEC
> Biosci cluster.

Restrict Device from Method

→ no limitations

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Time: 13:09:52

Document Listing

Document	Selected Pages	Page Range	Copies
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Total (1)	14	-	-

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Document Listing

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Total (1)	9	-	-

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FULL ESTIMATED COST	0.21	0.21

=> FIL CASREACT

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.89	1.89

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Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> file biotechno, confsci, inspec, jicst-eplus, polluab, agricola

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	2.29

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FILE 'POLLUAB' ENTERED AT 13:22:30 ON 15 AUG 2003

FILE 'AGRICOLA' ENTERED AT 13:22:30 ON 15 AUG 2003

=> s biologic? heat potential
L1 0 BIOLOGIC? HEAT POTENTIAL

```
=> s biological heat potential
L2            0 BIOLOGICAL HEAT POTENTIAL

=> s heat potential and wastewater
L3            2 HEAT POTENTIAL AND WASTEWATER

=> d l3 1-2

L3    ANSWER 1 OF 2  BIOTECHNO  COPYRIGHT 2003 Elsevier Science B.V. on STN
AN    2001:33026237   BIOTECHNO
TI    Full-scale evaluation of heat balance for autothermal thermophilic
      aerobic treatment of food processing wastewater
AU    Chiang C.F.; Lu C.J.; Sung L.K.; Wu Y.S.
CS    C.F. Chiang, Dept. of Environmental Management, Chaoyang University of
      Technology, Taichung, Taiwan 40227, Taiwan.
SO    Water Science and Technology, (2001), 43/11 (251-258), 9 reference(s)
      CODEN: WSTED4  ISSN: 0273-1223
DT    Journal; Conference Article
CY    United Kingdom
LA    English
SL    English

L3   ANSWER 2 OF 2  POLLUAB  COPYRIGHT 2003 CSA on STN
AN   2002:8396  POLLUAB
TI   Full-scale evaluation of heat balance for autothermal thermophilic aerobic
     treatment of food processing wastewater
     1. World Water Congress: Part 4 - Wastewater Treatment
AU   Chiang, C.F.; Lu, C.J.; Sung, L.K.; Wu, Y.S.; Grabow, W.O.K. [editor];
     Gilbert, J. [editor]; Haas, C. [editor]; House, M. [editor]; Lesouef, A.
     [editor]; Nielsen, J. [editor]; ven der Vlies, A.W. [editor]; Villesot, D.
     [editor]; Wanner, J. [editor]; Watanabe, Y. [editor]; Milburn, A.
     [editor]; Purdon, C.D. [editor]; Nagle, P.T. [editor]
CS   Department of Environmental Management, Chaoyang University of Technology,
     Taichung, Taiwan 40227, Taiwan
SO   Water Science & Technology [Water Sci. Technol.], (20010000) pp. 251-258.
     Elsevier Science Ltd., Pergamon. P.O. Box 800 Kidlington Oxford OX5 1DX
     UK.
     Meeting Info.: 1. World Water Congress of the International Water
     Association. Paris (France). 3-7 Jul 2000.
     ISSN: 0273-1223; , 1900222701.
DT   Book
TC   Conference
FS   P
LA   English


=> s heat adj potential and heat loss
L4            0 HEAT ADJ POTENTIAL AND HEAT LOSS

=> s heat adj potential
L5            0 HEAT ADJ POTENTIAL

=> s wastewater adj treatment
L6            0 WASTEWATER ADJ TREATMENT

=> file medline, caplus, biosci
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY     SESSION
FULL ESTIMATED COST                                   14.21       16.50

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FILE 'PCTGEN' ENTERED AT 13:30:12 ON 15 AUG 2003

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FILE 'SYNTHLINE' ENTERED AT 13:30:12 ON 15 AUG 2003

FILE 'TOXCENTER' ENTERED AT 13:30:12 ON 15 AUG 2003

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FILE 'VETU' ENTERED AT 13:30:12 ON 15 AUG 2003

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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

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=> s wastewater adj treatment
  21 FILES SEARCHED...
  42 FILES SEARCHED...
L7            0 WASTEWATER ADJ TREATMENT

=> s wastewater treatment
  22 FILES SEARCHED...
  49 FILES SEARCHED...
L8       321342 WASTEWATER TREATMENT
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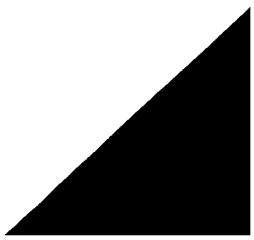

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=> s l8 and heat potential
  27 FILES SEARCHED...
  45 FILES SEARCHED...
L9            7 L8 AND HEAT POTENTIAL

=> d l9 1-7

L9   ANSWER 1 OF 7  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2003:105573  CAPLUS
DN   139:84760
TI   Turning manure into gold
AU   Parker, Jack
CS   UK
SO   EMBO Reports (2002), 3(12), 1114-1116
     CODEN: ERMEAX; ISSN: 1469-221X
PB   Oxford University Press
DT   Journal
LA   English

L9   ANSWER 2 OF 7  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2003:1135  CAPLUS
TI   Apparatus and method for determining biological heat
     potential of a wastewater treatment system.
IN   Chiang,  Chow-feng; Wu,  Yeong-shing
PA   Chaoyang University of Technology, Taiwan
SO   Eur. Pat. Appl.
     CODEN: EPXXDW
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     --------------    ----  --------       ---------------  --------
PI   EP 1271141         A1   20030102       EP 2001-115125   20010621
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     US 2003004650      A1   20030102       US 2001-883290   20010619
PRAI EP 2001-115125     A    20010621
RE.CNT  8     THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9   ANSWER 3 OF 7  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   1984:194987  CAPLUS
DN   100:194987
TI   Improvement of energy economy in sugar production
AU   Austmeyer, K. E.; Bunert, U.
CS   Inst. Landwirtsch. Technol. Zuckerind., TU Braunschweig, Braunschweig,
     Fed. Rep. Ger.
SO   Comptes Rendus de la Assemblee Generale de la Commission Internationale
     Technique de Sucrerie (1983), 17th, 333-69
     CODEN: CRISAX; ISSN: 0254-5128
DT   Journal
LA   German

L9   ANSWER 4 OF 7  LIFESCI    COPYRIGHT 2003 CSA on STN
AN   2002:32323  LIFESCI
TI   Full-scale evaluation of heat balance for autothermal thermophilic aerobic
     treatment of food processing wastewater
AU   Chiang, C.F.; Lu, C.J.; Sung, L.K.; Wu, Y.S.
CS   Department of Environmental Management, Chaoyang University of Technology,
     Taichung, Taiwan 40227, Taiwan
SO   Water Science & Technology [Water Sci. Technol.], (20010000) pp. 251-258.
     Elsevier Science Ltd., Pergamon. P.O. Box 800 Kidlington Oxford OX5 1DX
     UK.
     Meeting Info.: 1. World Water Congress of the International Water
     Association. Paris (France). 3-7 Jul 2000.
     ISSN: 0273-1223; ,1900222701.
DT   Book
TC   Conference
FS   A
```

LA English

L9 ANSWER 5 OF 7 PASCAL COPYRIGHT 2003 INIST-CNRS. ALL RIGHTS RESERVED. on STN
AN 2001-0425019 PASCAL
CP Copyright .COPYRGT. 2001 INIST-CNRS. All rights reserved.
TIEN Full-scale evaluation of heat balance for autothermal thermophilic aerobic treatment of food processing wastewater
1st world water congress. Part 4: **Wastewater treatment** : Paris, 3-7 July 2000
AU CHIANG C. F.; LU C. J.; SUNG L. K.; WU Y. S.
GRABOW W.O.K. (ed.)
CS Department of Environmental Management, Chaoyang University of Technology, Taichung, 40227, Taiwan, Province of China; Department of Environmental Engineering, National Chung Hsing University, Taichung, 40227, Taiwan, Province of China; China Environmental Consultants, Ltd., Taipei 40227, Taiwan, Province of China
International Water Association, INC (patr.)
SO Water science and technology, (2001), 43(11), 251-258, 9 refs.
Conference: 1 World water congress, Paris (France), 3 Jul 2000
ISSN: 0273-1223
ISBN: 1-900222-70-1
DT Journal; Conference
BL Analytic
CY United Kingdom; United States
LA English
AV INIST-16441, 354000097006840300

bad date.

L9 ANSWER 6 OF 7 USPATFULL on STN
AN 2003:4602 USPATFULL
TI Apparatus and method for determining biological **heat potential**
IN Chiang, Chow Feng, Taichung, TAIWAN, PROVINCE OF CHINA
Wu, Yeong Shing, Mingjian, TAIWAN, PROVINCE OF CHINA
PI US 2003004650 A1 20030102
AI US 2001-883290 A1 20010619 (9)
DT Utility
FS APPLICATION
LN.CNT 446
INCL INCLM: 702/019.000
NCL NCLM: 702/019.000
IC [7]
ICM: G06F019-00
ICS: G01N033-48; G01N033-50

L9 ANSWER 7 OF 7 USPATFULL on STN
AN 96:5291 USPATFULL
TI Method and apparatus for disposal of landfill gas condensate
IN Vonasek, David, Bothell, WA, United States
PA Emcon, Inc., San Mateo, CA, United States (U.S. corporation)
PI US 5484279 19960116
AI US 1995-384399 19950203 (8)
RLI Continuation of Ser. No. US 1993-34523, filed on 22 Mar 1993, now abandoned
DT Utility
FS Granted
LN.CNT 403
INCL INCLM: 431/202.000
INCLS: 431/004.000; 431/005.000; 110/238.000; 110/346.000; 110/348.000
NCL NCLM: 431/202.000
NCLS: 110/238.000; 110/346.000; 110/348.000; 431/004.000; 431/005.000
IC [6]
ICM: F23D014-00
EXF 431/202; 431/5; 431/4; 110/346; 110/348; 110/238

=> s biological heat potential
27 FILES SEARCHED...
47 FILES SEARCHED...

L10 5 BIOLOGICAL HEAT POTENTIAL

=> d l10 1-5

L10 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:1135 CAPLUS
TI Apparatus and method for determining **biological heat potential** of a wastewater treatment system.
IN Chiang, Chow-feng; Wu, Yeong-shing
PA Chaoyang University of Technology, Taiwan
SO Eur. Pat. Appl.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1271141	A1	20030102	EP 2001-115125	20010621
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003004650	A1	20030102	US 2001-883290	20010619
PRAI EP 2001-115125	A	20010621		

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ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:149897 CAPLUS
DN 130:308841
TI Analysis of phosphorylated sphingolipid long-chain bases reveals potential roles in heat stress and growth control in Saccharomyces
AU Skrzypek, Marek S.; Nagiec, M. Marek; Lester, Robert L.; Dickson, Robert C.
CS Department of Biochemistry and Lucille P. Markey Cancer Center, University of Kentucky Medical Center, Lexington, KY, 40536-0298, USA
SO Journal of Bacteriology (1999), 181(4), 1134-1140
CODEN: JOBAAY; ISSN: 0021-9193
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1996:239628 CAPLUS
DN 124:315298
TI Potential Bacillus subtilis .alpha.-amylase-based time-temperature integrators to evaluate pasteurization processes
AU Van Loey, A.; Hendrickx, M.; Ludikhuyze, L.; Weemaes, C.; Haentjens, T.; De Cordt, S.; Tobback, P.
CS Faculty Agricultural and Applied Biological Sciences, Katholieke Universiteit te Leuven, Louvain, B-3001, Belg.
SO Journal of Food Protection (1996), 59(3), 261-7
CODEN: JFPRDR; ISSN: 0362-028X
PB International Association of Milk, Food and Environmental Sanitarians
DT Journal
LA English

L10 ANSWER 4 OF 5 IFIPAT COPYRIGHT 2003 IFI on STN
AN 10260249 IFIPAT;IFIUDB;IFICDB
TI APPARATUS AND METHOD FOR DETERMINING **BIOLOGICAL HEAT POTENTIAL**
IN Chiang Chow Feng (TW); Wu Yeong Shing (TW)
PA Unassigned Or Assigned To Individual (68000)
PI US 2003004650 A1 20030102
AI US 2001-883290 20010619
FI US 2003004650 20030102
DT Utility; Patent Application - First Publication
FS ELECTRICAL
APPLICATION

CLMN 15
GI 5 Figure(s).
FIG. 1 shows the block diagram illustrating the main parts and their relations for the device of the present invention for determining the **biological heat potential**;
FIG. 2 shows the diagram illustrating the acclimation apparatus of the present invention, which provides the necessary aerobic culture for the ATAT test;
FIG. 3 shows the diagram illustrating the device of the present invention, used to determine the **biological heat potential** for the ATAT test;
FIG. 4 shows the results of the oxygen uptake data fed on the glucose sample, obtained with the device of the present invention; and
FIG. 5 shows the results of heat compensation data fed on the glucose sample as the substrate (energy source), obtained with the device of the present invention.

L10 ANSWER 5 OF 5 USPATFULL on STN
AN 2003:4602 USPATFULL
TI Apparatus and method for determining **biological heat potential**
IN Chiang, Chow Feng, Taichung, TAIWAN, PROVINCE OF CHINA
Wu, Yeong Shing, Mingjian, TAIWAN, PROVINCE OF CHINA
PI US 2003004650 A1 20030102
AI US 2001-883290 A1 20010619 (9)
DT Utility
FS APPLICATION
LN.CNT 446
INCL INCLM: 702/019.000
NCL NCLM: 702/019.000
IC [7]
ICM: G06F019-00
ICS: G01N033-48; G01N033-50

=> s autothermal thermophilic aerobic treatment
20 FILES SEARCHED...
40 FILES SEARCHED...
61 FILES SEARCHED...
L11 11 AUTOTHERMAL THERMOPHILIC AEROBIC TREATMENT

=> d l11 1-11

L11 ANSWER 1 OF 11 MEDLINE on STN
AN 2002018723 MEDLINE
DN 21337931 PubMed ID: 11443970
TI Full-scale evaluation of heat balance for **autothermal thermophilic aerobic treatment** of food processing wastewater.
AU Chiang C F; Lu C J; Sung L K; Wu Y S
CS Department of Environmental Management, Chaoyang University of Technology, Taichung, Taiwan 40227, Taiwan.
SO WATER SCIENCE AND TECHNOLOGY, (2001) 43 (11) 251-8.
Journal code: 9879497. ISSN: 0273-1223.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200112
ED Entered STN: 20020121
Last Updated on STN: 20020124
Entered Medline: 20011228

L11 ANSWER 2 OF 11 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 2002:8543 BIOSIS
DN PREV200200008543
TI Full-scale evaluation of heat balance for **autothermal thermophilic aerobic treatment** of food processing wastewater.

AU Chiang, C. F. (1); Lu, C. J.; Sung, L. K.; Wu, Y. S.
CS (1) Department of Environmental Management, Chaoyang University of Technology, Taichung, 40227 Taiwan
SO Water Science and Technology, (2001) Vol. 43, No. 11, pp. 251-258. print. ISSN: 0273-1223.
DT Article
LA English

L11 ANSWER 3 OF 11 BIOTECHNO COPYRIGHT 2003 Elsevier Science B.V. on STN
AN 2001:33026237 BIOTECHNO
TI Full-scale evaluation of heat balance for **autothermal thermophilic aerobic treatment** of food processing wastewater
AU Chiang C.F.; Lu C.J.; Sung L.K.; Wu Y.S.
CS C.F. Chiang, Dept. of Environmental Management, Chaoyang University of Technology, Taichung, Taiwan 40227, Taiwan.
SO Water Science and Technology, (2001), 43/11 (251-258), 9 reference(s) CODEN: WSTED4 ISSN: 0273-1223
DT Journal; Conference Article
CY United Kingdom
LA English
SL English

L11 ANSWER 4 OF 11 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V. on STN
AN 2001387167 EMBASE
TI Full-scale evaluation of heat balance for **autothermal thermophilic aerobic treatment** of food processing wastewater.
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CY United Kingdom
DT Journal; Conference Article
FS 046 Environmental Health and Pollution Control
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SL English

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AN 2001250217 ESBIOBASE
TI Full-scale evaluation of heat balance for **autothermal thermophilic aerobic treatment** of food processing wastewater
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DT Journal; Conference Article
CY United Kingdom
LA English
SL English

L11 ANSWER 6 OF 11 IFIPAT COPYRIGHT 2003 IFI on STN
AN 10260249 IFIPAT;IFIUDB;IFICDB
TI APPARATUS AND METHOD FOR DETERMINING BIOLOGICAL HEAT POTENTIAL
IN Chiang Chow Feng (TW); Wu Yeong Shing (TW)
PA Unassigned Or Assigned To Individual (68000)
PI US 2003004650 A1 20030102
AI US 2001-883290 20010619
FI US 2003004650 20030102
DT Utility; Patent Application - First Publication
FS ELECTRICAL
APPLICATION
CLMN 15
GI 5 Figure(s).

FIG. 1 shows the block diagram illustrating the main parts and their relations for the device of the present invention for determining the biological heat potential;
FIG. 2 shows the diagram illustrating the acclimation apparatus of the present invention, which provides the necessary aerobic culture for the ATAT test;
FIG. 3 shows the diagram illustrating the device of the present invention, used to determine the biological heat potential for the ATAT test;
FIG. 4 shows the results of the oxygen uptake data fed on the glucose sample, obtained with the device of the present invention; and
FIG. 5 shows the results of heat compensation data fed on the glucose sample as the substrate (energy source), obtained with the device of the present invention.

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DT Book
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LA English

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